

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 05161653 A
(43) Date of publication of application: 29.06.1993

(51) Int. Cl A61B 8/12
G01N 29/26

(21) Application number: 04124654
(22) Date of filing: 18.05.1992
(30) Priority: 21.05.1991 US 91 703648

(71) Applicant: HEWLETT PACKARD CO <HP>
(72) Inventor: SOLOMON RODNEY J
MASON MARTIN K
GRUNER GEORGE
FEARNSIDE JAMES T

(54) TRANSDUCER POSITIONING SYSTEM

(57) Abstract:

PURPOSE: To position a transducer alley precisely without manual operation by providing an electric motor which rotates the transducer alley so that a plurality of scanning planes for obtaining a plurality of corresponding two-dimensional cross-sectional images are produced.

CONSTITUTION: When a switch mechanism 60 is operated and an electric motor 42 is started, a first gear 50 rotates through a shaft 48, and a second gear 52 rotates due to the rotation of the first gear 50. Next, shafts 51, 53 are driven by the rotation of the gear 52,

and a flexible drive shaft 24 is driven by the drive of the shaft 51 so that a transducer alley is rotated to a plurality of angular positions. Image data corresponding to two-dimensional cross-sectional images are generated by a remote imaging electronic means 64 through a line 69 for each angular position. Consequently, the control of precise positioning of the transducer alley becomes possible.

COPYRIGHT: (C)1993,JPO

